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**MINISTRY OF DEFENCE OF UKRAINE
MILITARY ACADEMY (ODESA)**

CONCEPT OF EDUCATIONAL ACTIVITIES

for the Training of Higher Education Students at the Third (Educational and Scientific) Level of Higher Education under the Educational and Scientific Programme “Pedagogy of Military Education” Specialty A1 Educational Sciences Field of Knowledge A Education with a Licensed Admission Capacity of 25 Students

Reviewed and approved by the Academic Council
of the Military Academy (Odesa)

Odesa – 2025

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CONCEPT OF EDUCATIONAL ACTIVITIES
under the Educational and Research Programme
“Pedagogy of Military Education”
at the Third (Educational and Research) Level of Higher Education

The Concept of Educational Activities under this Educational and Research Programme does not provide for the award, at the relevant level of higher education, of professional qualifications in occupations subject to additional regulation.

Speciality code and title: A1 Educational Sciences.

Higher education level: third (educational and research) level of higher education; Ukrainian National Qualifications Framework: Level 8; QF-EHEA: third cycle; EQF-LLL: Level 8.

Programme Objective

The programme aims to prepare competitive, highly qualified academic and research staff capable of independently undertaking research, research organisation, management, teaching, and expert analytical activities at higher military educational institutions, military educational units of higher education institutions, and research institutions.

This preparation is based on mastering the achievements of Ukrainian, Western European and global pedagogical thought, as well as studying and analysing educational practices at higher and military education institutions in Ukraine and other countries.

Programme Orientation

The Educational and Research Programme focuses on the acquisition of programme competencies in educational and pedagogical sciences required to conduct research and undertake independent research and teaching activities based on the principles of academic integrity, autonomy and responsibility.

The programme takes into account the competence profiles of a typical European military officer under the Sectoral Qualifications Framework for the Military Officer Profession (SQF-MILOF), enabling programme competencies to be aligned with, and made compatible with, the European Qualifications Framework for Lifelong Learning (EQF) and the National Qualifications Frameworks (NQFs) of EU Member States.

Particular emphasis is placed on:

Research and teaching activities in military education (general secondary education, vocational and technical education, and higher education), postgraduate education, adult education, distance education and self-directed learning.

Distinctive Features of the Programme

The programme integrates education and research to prepare competitive researchers and academic staff capable of addressing research and teaching challenges within the military education system and applying the Sectoral Qualifications Framework (SQF) to support and develop educational programmes and training courses in EU Member States, including those relating to the Common Security and Defence Policy (CSDP).

Particular attention is paid to the specific characteristics of fundamental and applied research conducted in the teaching and research units of higher military educational institutions and military educational units of higher education institutions.

Particular attention is also paid to methods of teaching pedagogical, military professional and military specialist disciplines to students being trained for the Armed Forces of Ukraine, and to the specific characteristics of fundamental and applied research conducted in the Academy's teaching and research units.

The programme supports the implementation of the strategic goals and objectives of reforming the military education and training system and its integration into the European and Euro-Atlantic security area. It does so by taking into account the competence profiles of a typical European military officer under SQF-MILOF and the strategic vision for the further development of military education.

Total ECTS Credit Volume and Duration of Study

Total programme workload: 240 credits under the European Credit Transfer and Accumulation System (ECTS), comprising taught component: 60 ECTS credits; research component: 180 ECTS credits.

Duration of study: 4 years.

Professional Standards Guiding Programme Delivery, Where Applicable

The Educational and Research Programme was developed jointly with stakeholders representing employers, namely the Directorate for Training at Higher Military Educational Institutions and Training Centres, Training Command, Ground Forces Command of the Armed Forces of Ukraine.

The programme was developed with partial reference to the following professional standards:

The Professional Standard for the occupational group "Teaching Staff of Higher Education Institutions", approved by Order No. 610 of the Ministry for Development of Economy, Trade and Agriculture of Ukraine dated 23 March 2021;

The Professional Standard “Teacher at a Higher Education Institution”, approved by Order No. 1466 of the Ministry of Education and Science of Ukraine dated 16 October 2024.

Foundations of the Military Academy’s Educational Activities

The educational activities of the Military Academy (Odesa) are based on the conceptual foundations of the National Doctrine for the Development of Education and the State National Programme “Education” (“Ukraine in the Twenty-First Century”); the provisions of the Constitution of Ukraine and the laws of Ukraine; decrees and directives of the President of Ukraine; resolutions of the Cabinet of Ministers of Ukraine; regulatory acts of the Ministry of Education and Science of Ukraine and the Ministry of Defence of Ukraine; higher education standards; the Charter of the Military Academy; and the requirements of the Regulations on the Organisation of the Educational Process at the Military Academy.

The Military Academy’s Concept of Educational Activities is underpinned by the principles of justice, humanism, the rule of law, the primacy of human rights and freedoms, and patriotic military education that fosters civic awareness.

Main Aims of the Military Academy’s Educational Activities

The principal aim of the Military Academy’s educational activities is to establish a modern, leading centre of European standing for research, education, analysis, advice and expertise on national security and defence, and to:

- Develop the nation’s intellectual potential;

- Provide the Armed Forces of Ukraine, other military formations and the state with highly qualified specialists holding higher education qualifications;

- Foster personal development grounded in national and universal human values and cultivate commitment to the defence of the homeland.

The Concept encompasses all areas of the Academy’s activities: education; research; personnel policy; infrastructure development; the generation and dissemination of advanced scientific knowledge and practices in security and defence; the provision of the conditions necessary for Ukrainian citizens to obtain higher education in the relevant fields of study; and research-informed methodological, scientific and technical, and cultural and educational activities.

Principles Underpinning Educational Activities

Educational activities are based on the following principles:

- Operation of the military specialist training system within the unified legislative and regulatory framework of Ukraine’s education system;

- Equal access to higher education through competitive admission for every

applicant to the Academy;

Humanism, democracy and the primacy of universal human spiritual values;
Independence of educational activities from the influence of political parties,
civic organisations and religious organisations;

The inseparability of instruction, personal and moral development, and
research;

A staged system of military specialist training;

Use of higher education standards as the mandatory minimum requirements
for educational and instructional content, together with a consistent approach to
programme development at all levels, mandatory consideration of professional
standards where available, and the establishment of criteria for assessing acquired
competencies;

Compatibility of educational programmes with international classifications
and higher education standards;

Independent and objective assessment of the qualifications attained by
students in higher military education;

Continuous improvement of teaching and learning content, a focus on the
latest instructional technologies and methods, and the fullest possible use of distance
learning technologies and modern information and analytical systems in the
educational process;

Incorporation into the educational process of the combat experience gained
by units and subunits of the Defence Forces of Ukraine during the Russo-Ukrainian
war;

Integration of educational and research approaches to support innovation in the
Academy's activities;

Assurance of the quality of educational services, educational content,
educational outcomes and teaching and learning technologies;

Fulfilment of students' educational needs in accordance with their interests
and abilities and the country's defence requirements;

Alignment of graduates' higher education and training with the requirements
of their designated positions;

Active and student-centred learning;

Integration into the European and global education areas;

Cultivation of national and universal human values.

Core Competencies to Be Acquired by Higher Education Students

Integrated Competence:

The ability and readiness to address complex research problems and tasks, both theoretical and practical, in military education through the creative reconsideration of existing knowledge and the generation of new knowledge and professional practice in the pedagogical sciences.

General Competencies

GC 1. The ability to acquire conceptual and methodological knowledge in education.

GC 2. The ability to apply information technologies when implementing research-based approaches, technologies, formats, methods, techniques and teaching aids in educational institutions.

GC 3. The ability to engage in abstract thinking and to analyse, synthesise and evaluate information from diverse sources.

GC 4. The ability to pursue continuous personal development and self-improvement.

GC 5. The ability to generate new ideas in education.

GC 6. The ability to integrate contemporary innovative practices into the educational process.

GC 7. The ability to stimulate positive motivation for learning.

GC 8. The ability to undertake organisational and managerial activities in educational institutions.

GC 9. The ability to promote Ukrainian cultural heritage and national values through their integration with shared European and global values.

GC 10. The ability to work in a team and organise productive interpersonal collaboration based on partnership.

Specialised (Professional and Subject-Specific) Competencies

SC 1. The ability to communicate research in writing and orally with a high level of proficiency in the official state language and foreign languages.

SC 2. The ability to undertake teaching and research activities in higher education institutions.

SC 3. The ability to apply contemporary digital technologies when organising and delivering the educational process in educational institutions and when conducting research.

SC 4. The ability to identify and take account of students' individual characteristics in the educational process, in accordance with the level of education being pursued, and when conducting research.

SC 5. The ability to organise and manage the educational process in educational institutions on the basis of respect for the individuality of its participants and adherence to ethical standards.

SC 6. The ability to identify and develop leadership competence when organising and managing the educational process in educational institutions.

SC 7. The ability to create a supportive and comfortable learning environment appropriate to the level of education provided.

SC 8. The ability to promote a healthy lifestyle and introduce approaches and technologies for safeguarding life and health into the educational process, in accordance with the level of education provided, and into everyday life more broadly.

SC 9. The ability to design research activities within the educational process on the basis of analytical, critical and creative thinking.

SC 10. The ability to analyse and predict the outcomes of managing educational processes and systems, in accordance with the level of education provided.

SC 11. The ability to organise an integrated educational process that supports students' sustained development, in accordance with the level of education being pursued.

SC 12. The ability to monitor and assess students' learning outcomes, in accordance with the level of education provided, as well as the outcomes of managing educational processes and systems.

SC 13. The ability to apply contemporary research-based approaches, technologies, methods, techniques and teaching aids in the educational process and in research activities.

SC 14. The ability to pursue continuous professional development and self-improvement through a combination of formal, non-formal and informal education.

SC 15. The ability to monitor the results of one's own research and teaching activities comprehensively and systematically through reflective practice.

SC 16. The ability to plan and conduct research in educational and pedagogical sciences.

SC 17. The ability to secure intellectual property rights to the results of research and innovation activities in educational and pedagogical sciences.

The list of compulsory and elective educational components designed to achieve the programme learning outcomes, together with the resources required to deliver educational activities, is provided in Appendix 1.

Positions to Which Graduates May Be Appointed

Research and academic positions at higher military educational institutions and military educational units of higher education institutions.

Graduates are entitled to pursue the Doctor of Sciences degree and additional qualifications through adult education and professional military education.

Educational Entry Requirements

A Master's degree or a Specialist educational qualification.

Procedures for Assessing Learning Outcomes

Learning outcomes are assessed on the basis of the total points awarded for individual assignments and assessment activities specified in the course syllabus.

Assessment uses a 100-point scale and the national grading scale, as follows: Learning achievement is assessed using a 100-point scale and the national grading scale: 90–100 «excellent», 80–89 “Very good”, 65–79 “Good”, 55–64 “Satisfactory” 50–54 “Sufficient”, 1–49 “Unsatisfactory”, with an opportunity to resit. Types of assessment include entry-level assessment, continuous assessment, self-assessment and final assessment.

The dissertation is defended publicly before a specialised academic council.

**List of Compulsory and Elective Educational Components Designed to Achieve the Programme Learning Outcomes and
Resources Required for the Delivery of Educational Activities**

COMPULSORY EDUCATIONAL COMPONENTS OF THE EDUCATIONAL AND RESEARCH PROGRAMME

List of Educational Components	Learning Outcomes	Resources Required for the Delivery of Educational Activities
ЗАГАЛЬНА ПІДГОТОВКА		
Philosophy of Education and Science	LO 1.	Integrate and update conceptual and methodological knowledge in education.
	LO 3.	Analyse and synthesise information in education and assess its relevance.
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.
	LO 18.	Integrate into educational content issues directly related to promoting a healthy lifestyle and using technologies to safeguard life and health during the educational process, in accordance with the level of education provided.
Digitalisation of Research and Teaching Activities	LO 1.	Integrate and update conceptual and methodological knowledge in education.
	LO 2.	Plan the use of a diverse range of available technologies, organisational formats, teaching methods, techniques and aids in military educational institutions, drawing on the latest information technologies in the educational process and research activities.
	LO 6.	Introduce the latest Western European and global educational and pedagogical practices into the educational process and adapt them to the needs of Ukraine's education system.
	LO 13.	Use contemporary digital technologies, devices, open electronic (digital) educational resources and their associated software in educational and research activities in the field of education.
Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.		Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.

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	LO 19.	Design research activities within the educational process, placing primary emphasis on analytical, critical and creative thinking.	
	LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	
	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
	LO 24.	Establish a system for developing professional teaching expertise through a combination of formal, non-formal and informal education, and encourage personal development in educational and research activities.	
	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
	LO 27.	Protect intellectual property and commercialise the results of research and project activities.	
Ukrainian for Scientific Communication	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
	LO 9.	Design approaches to promoting Ukrainian cultural heritage within the educational process and integrate national, shared European and global values into educational content.	
	LO 11.	Engage in scholarly communication, orally and in writing, in Ukrainian (in a foreign language or foreign languages), and present research findings orally and in writing in Ukrainian (in a foreign language or foreign languages).	
	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
Foreign Language for Research	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	

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Communication	LO 11.	Engage in scholarly communication, orally and in writing, in Ukrainian (in a foreign language or foreign languages), and present research findings orally and in writing in Ukrainian (in a foreign language or foreign languages).	syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	

ПРОФЕСІЙНА ПІДГОТОВКА

Current Issues in Pedagogy and Psychology in Military Education	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
	LO 10.	Establish a system for managing military educational institutions based on respect for the individuality of participants in the educational process.	
	LO 12.	Systematise the methodology of pedagogical research into military education didactics and integrate instructional technologies, methodologies, organisational formats, methods, techniques, teaching aids and transversal skills (soft skills) into the educational process.	
	LO 14.	Organise and develop students' individual learning pathways based on the identification of their individual psychological and typological characteristics.	
	LO 16.	Assess the leadership abilities of participants in the educational process and implement interaction that recognises each participant as an active and autonomous partner in educational, professional teaching and research activities, based on leadership principles.	
	LO 17.	Assess and take into account the individual psychological and typological characteristics of participants with special needs when creating a psychologically	

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		comfortable learning environment conducive to teaching and learning, in accordance with the level of education provided.	
	LO 18.	Integrate into educational content issues directly related to promoting a healthy lifestyle and using technologies to safeguard life and health during the educational process, in accordance with the level of education provided.	
	LO 20.	Design analytical and forecasting activities and integrate them as an inseparable component of educational and research activities.	
	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
	LO 25.	Establish comprehensive and systematic monitoring of the outcomes of one's own research and professional teaching activities through reflective practice.	
Трансформаційні процеси в сучасній і зарубіжній освіті	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 9.	Design approaches to promoting Ukrainian cultural heritage within the educational process and integrate national, shared European and global values into educational content.	
	LO 10.	Establish a system for managing military educational institutions based on respect for the individuality of participants in the educational process.	
	LO 15.	Organise and manage the educational process in ways that safeguard participants' mental health, prevent occupational burnout and address related concerns, and implement management technologies in education.	
	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	

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	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
A Systems Approach to Instruction in Military Education	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
	LO 8.	Organise and manage the educational process in accordance with ethical standards governing the organisation and management of educational activities.	
	LO 15.	Organise and manage the educational process in ways that safeguard participants' mental health, prevent occupational burnout and address related concerns, and implement management technologies in education.	
	LO 16.	Assess the leadership abilities of participants in the educational process and implement interaction that recognises each participant as an active and autonomous partner in educational, professional teaching and research activities, based on leadership principles.	
	LO 17.	Assess and take into account the individual psychological and typological characteristics of participants with special needs when creating a psychologically comfortable learning environment conducive to teaching and learning, in accordance with the level of education provided.	
	LO 18.	Integrate into educational content issues directly related to promoting a healthy lifestyle and using technologies to safeguard life and health during the educational process, in accordance with the level of education provided.	
	LO 20.	Design analytical and forecasting activities and integrate them as an inseparable component of educational and research activities.	

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	LO 21.	Establish and support students' sustained development, in accordance with the level of education being pursued, through the application of integrative and holistic approaches.	
	LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	
	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
	LO 24.	Establish a system for developing professional teaching expertise through a combination of formal, non-formal and informal education, and encourage personal development in educational and research activities.	
The Innovative Context of Teaching and Learning in Contemporary Military Educational Institutions	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 2.	Plan the use of a diverse range of available technologies, organisational formats, teaching methods, techniques and aids in military educational institutions, drawing on the latest information technologies in the educational process and research activities.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 6.	Introduce the latest Western European and global educational and pedagogical practices into the educational process and adapt them to the needs of Ukraine's education system.	
	LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
	LO 8.	Organise and manage the educational process in accordance with ethical standards governing the organisation and management of educational activities.	
	LO 12.	Systematise the methodology of pedagogical research into military education didactics and integrate instructional technologies, methodologies, organisational	

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		formats, methods, techniques, teaching aids and transversal skills (soft skills) into the educational process.	
	LO 13.	Use contemporary digital technologies, devices, open electronic (digital) educational resources and their associated software in educational and research activities in the field of education.	
	LO 14.	Organise and develop students' individual learning pathways based on the identification of their individual psychological and typological characteristics.	
	LO 21.	Establish and support students' sustained development, in accordance with the level of education being pursued, through the application of integrative and holistic approaches.	
	LO 25.	Establish comprehensive and systematic monitoring of the outcomes of one's own research and professional teaching activities through reflective practice.	
Development of a Dissertation Project	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 2.	Plan the use of a diverse range of available technologies, organisational formats, teaching methods, techniques and aids in military educational institutions, drawing on the latest information technologies in the educational process and research activities.	
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 11.	Engage in scholarly communication, orally and in writing, in Ukrainian (in a foreign language or foreign languages), and present research findings orally and in writing in Ukrainian (in a foreign language or foreign languages).	
	LO 13.	Use contemporary digital technologies, devices, open electronic (digital) educational resources and their associated software in educational and research activities in the field of education.	
	LO 19.	Design research activities within the educational process, placing primary emphasis on analytical, critical and creative thinking.	
	LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	

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	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
	LO 27.	Protect intellectual property and commercialise the results of research and project activities.	
Leadership-Based Organisation and Management of the Educational Process	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 6.	Introduce the latest Western European and global educational and pedagogical practices into the educational process and adapt them to the needs of Ukraine's education system.	
	LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
	LO 8.	Organise and manage the educational process in accordance with ethical standards governing the organisation and management of educational activities.	
	LO 10.	Establish a system for managing military educational institutions based on respect for the individuality of participants in the educational process.	
	LO 15.	Organise and manage the educational process in ways that safeguard participants' mental health, prevent occupational burnout and address related concerns, and implement management technologies in education.	
	LO 16.	Assess the leadership abilities of participants in the educational process and implement interaction that recognises each participant as an active and autonomous partner in educational, professional teaching and research activities, based on leadership principles.	

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	LO 17.	Assess and take into account the individual psychological and typological characteristics of participants with special needs when creating a psychologically comfortable learning environment conducive to teaching and learning, in accordance with the level of education provided.	
	LO 20.	Design analytical and forecasting activities and integrate them as an inseparable component of educational and research activities.	
	LO 21.	Establish and support students' sustained development, in accordance with the level of education being pursued, through the application of integrative and holistic approaches.	
	LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	
	LO 24.	Establish a system for developing professional teaching expertise through a combination of formal, non-formal and informal education, and encourage personal development in educational and research activities.	
	LO 25.	Establish comprehensive and systematic monitoring of the outcomes of one's own research and professional teaching activities through reflective practice.	
Teaching Practicum	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 2.	Plan the use of a diverse range of available technologies, organisational formats, teaching methods, techniques and aids in military educational institutions, drawing on the latest information technologies in the educational process and research activities.	
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 6.	Introduce the latest Western European and global educational and pedagogical practices into the educational process and adapt them to the needs of Ukraine's education system.	

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LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
LO 8.	Organise and manage the educational process in accordance with ethical standards governing the organisation and management of educational activities.	
LO 9.	Design approaches to promoting Ukrainian cultural heritage within the educational process and integrate national, shared European and global values into educational content.	
LO 10.	Establish a system for managing military educational institutions based on respect for the individuality of participants in the educational process.	
LO 11.	Engage in scholarly communication, orally and in writing, in Ukrainian (in a foreign language or foreign languages), and present research findings orally and in writing in Ukrainian (in a foreign language or foreign languages).	
LO 12.	Systematise the methodology of pedagogical research into military education didactics and integrate instructional technologies, methodologies, organisational formats, methods, techniques, teaching aids and transversal skills (soft skills) into the educational process.	
LO 13.	Use contemporary digital technologies, devices, open electronic (digital) educational resources and their associated software in educational and research activities in the field of education.	
LO 14.	Organise and develop students' individual learning pathways based on the identification of their individual psychological and typological characteristics.	
LO 15.	Organise and manage the educational process in ways that safeguard participants' mental health, prevent occupational burnout and address related concerns, and implement management technologies in education.	
LO 16.	Assess the leadership abilities of participants in the educational process and implement interaction that recognises each participant as an active and autonomous partner in educational, professional teaching and research activities, based on leadership principles.	

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LO 17.	Assess and take into account the individual psychological and typological characteristics of participants with special needs when creating a psychologically comfortable learning environment conducive to teaching and learning, in accordance with the level of education provided.	
LO 18.	Integrate into educational content issues directly related to promoting a healthy lifestyle and using technologies to safeguard life and health during the educational process, in accordance with the level of education provided.	
LO 19.	Design research activities within the educational process, placing primary emphasis on analytical, critical and creative thinking.	
LO 20.	Design analytical and forecasting activities and integrate them as an inseparable component of educational and research activities.	
LO 21.	Establish and support students' sustained development, in accordance with the level of education being pursued, through the application of integrative and holistic approaches.	
LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	
LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
LO 24.	Establish a system for developing professional teaching expertise through a combination of formal, non-formal and informal education, and encourage personal development in educational and research activities.	
LO 25.	Establish comprehensive and systematic monitoring of the outcomes of one's own research and professional teaching activities through reflective practice.	
LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
LO 27.	Protect intellectual property and commercialise the results of research and project activities.	

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Research Practicum	LO 1.	Integrate and update conceptual and methodological knowledge in education.	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content;
	LO 2.	Plan the use of a diverse range of available technologies, organisational formats, teaching methods, techniques and aids in military educational institutions, drawing on the latest information technologies in the educational process and research activities.	
	LO 3.	Analyse and synthesise information in education and assess its relevance.	
	LO 4.	Plan the professional and pedagogical self-development and self-improvement of academic and research staff.	
	LO 5.	Generate new, creative and scientifically significant ideas in education through research and professional teaching activities.	
	LO 6.	Introduce the latest Western European and global educational and pedagogical practices into the educational process and adapt them to the needs of Ukraine's education system.	
	LO 7.	Create and maintain a contemporary learning environment based on the principles of active and student-centred learning.	
	LO 8.	Organise and manage the educational process in accordance with ethical standards governing the organisation and management of educational activities.	
	LO 9.	Design approaches to promoting Ukrainian cultural heritage within the educational process and integrate national, shared European and global values into educational content.	
	LO 10.	Establish a system for managing military educational institutions based on respect for the individuality of participants in the educational process.	
	LO 11.	Engage in scholarly communication, orally and in writing, in Ukrainian (in a foreign language or foreign languages), and present research findings orally and in writing in Ukrainian (in a foreign language or foreign languages).	
	LO 12.	Systematise the methodology of pedagogical research into military education didactics and integrate instructional technologies, methodologies, organisational formats, methods, techniques, teaching aids and transversal skills (soft skills) into the educational process.	

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LO 13.	Use contemporary digital technologies, devices, open electronic (digital) educational resources and their associated software in educational and research activities in the field of education.	
LO 14.	Organise and develop students' individual learning pathways based on the identification of their individual psychological and typological characteristics.	
LO 15.	Organise and manage the educational process in ways that safeguard participants' mental health, prevent occupational burnout and address related concerns, and implement management technologies in education.	
LO 16.	Assess the leadership abilities of participants in the educational process and implement interaction that recognises each participant as an active and autonomous partner in educational, professional teaching and research activities, based on leadership principles.	
LO 17.	Assess and take into account the individual psychological and typological characteristics of participants with special needs when creating a psychologically comfortable learning environment conducive to teaching and learning, in accordance with the level of education provided.	
LO 18.	Integrate into educational content issues directly related to promoting a healthy lifestyle and using technologies to safeguard life and health during the educational process, in accordance with the level of education provided.	
LO 19.	Design research activities within the educational process, placing primary emphasis on analytical, critical and creative thinking.	
LO 20.	Design analytical and forecasting activities and integrate them as an inseparable component of educational and research activities.	
LO 21.	Establish and support students' sustained development, in accordance with the level of education being pursued, through the application of integrative and holistic approaches.	
LO 22.	Establish a system for assessing, monitoring and evaluating students' learning outcomes, in accordance with the level of education provided.	

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	LO 23.	Investigate and implement the principles of the latest methodological approaches, together with innovative teaching technologies, methods, techniques and aids, in educational practice and pedagogical research.	
	LO 24.	Establish a system for developing professional teaching expertise through a combination of formal, non-formal and informal education, and encourage personal development in educational and research activities.	
	LO 25.	Establish comprehensive and systematic monitoring of the outcomes of one's own research and professional teaching activities through reflective practice.	
	LO 26.	Plan and conduct theoretical and experimental research in education and pedagogy, formulate and test hypotheses, substantiate conclusions, and adhere to the principles of academic integrity.	
	LO 27.	Protect intellectual property and commercialise the results of research and project activities.	

List of Elective Educational Components of the Educational and Research Programme

Titles of Educational Components	Resources Required for the Delivery of Educational Activities
Methodology for Analysing Experience, Including Combat Experience, and Integrating It into the Educational Process	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
Information and Analytical Activities in Research (Including SWOT Analysis)	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment with Internet access and licensed software; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content.
Scientometrics and Research Organisation	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment with Internet access and licensed software; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content.

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Modelling of System Operating Processes	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
Teaching Expertise of the Instructor	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
Quality Assurance in Education	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
Current Issues in the Theory and History of Educational Science	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.
Applications of Artificial Intelligence Technologies in Education and Research	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment with Internet access and licensed software; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content.
Internet Technologies in the Educational Process of Higher Military Educational Institutions	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment with Internet access and licensed software; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content.
Development of Hard and Soft Skills among Participants in the Educational Process	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment with Internet access and licensed software; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content.
The Sectoral Qualifications Framework for the Military Officer Profession (SQF-MILOF) in Professional Military Education	Teaching materials and methodological guidelines for conducting classes; educational literature and governing documents specified in the course syllabus; computer equipment; multimedia projectors; sets of handouts; classrooms; assessment tools (written assessments, test items, examination materials, etc.); digital content; scenario-based tasks.

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Deputy Commandant of the Academy for Education

Colonel

Oleh **MASLII**

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